

## CLAIMS:

1. Device for recording information in a track (11) on a record carrier (4), the device comprising:
  - a head (22) for generating a beam of radiation for writing and reading marks,
  - radiation source control means (29) for generating power patterns for controlling the power of the radiation source during writing of marks having a number of different shapes for representing the information,  
the power pattern for at least one of the different shapes comprising a first pulse part for writing a first mark section and a second pulse part for writing a second mark section, and an intermediate pulse part for creating a spacing section between the first and second mark sections, and the sections of the mark being detectable as a single mark during said reading.
2. Device as claimed in claim 1, wherein the radiation source control means (29) are for generating the power patterns for generating different levels of a read signal at a read-out time for said number of different shapes.
3. Device as claimed in claim 1 or 2, wherein the radiation source control means (29) are for generating the power patterns adapted for repressing interference from preceding or succeeding marks in dependence of a predefined read channel.
4. Device as claimed in claim 3, wherein the power patterns are generated for said repressing in dependence of a predetermined read signal equalizing function.
5. Device as claimed in claim 4, wherein said number of different shapes comprises longer and shorter shapes, and the predetermined read signal equalizing function is adapted to improve the read signal for the longer shapes, in particular optimized for the longest shape.

6. Device as claimed in claim 1, wherein said number of different shapes comprises a longest shape, and the radiation source control means (29) are for generating the power pattern for the longest shape as a continuous mark without a spacing section.

5 7. Device as claimed in claim 1, wherein said number of different shapes comprises a shortest shape, and the radiation source control means (29) are for generating the power pattern for the shortest shape as a continuous mark without a spacing section.

8. Device as claimed in claim 1, wherein the radiation source control means (29) 10 are for generating the power pattern for at least one of the different shapes comprising at least one further pulse part for writing a further mark section and at least one further intermediate pulse parts for creating a further spacing section.

9. Method of controlling the power of a radiation source during recording 15 information in a track on a record carrier, the method comprising:  
- generating power patterns for controlling the power of the radiation source during writing of marks having a number of different shapes for representing the information, the power pattern for at least one of the different shapes comprising a first pulse part for writing a first mark section and a second pulse part for writing a second mark section, and an 20 intermediate pulse part for creating a spacing section between the first and second mark sections, and the sections of the mark being detectable as a single mark during said reading.

10. Record carrier comprising a track which comprises marks having a number of 25 different shapes for representing information, at least one of the different shapes comprising a first mark section, a second mark section, and a spacing section between the first and second mark sections, and the sections of the mark being detectable as a single mark during reading.